Operating Instructions for Little Giant Ladder System®

I. Description - Little Giant Ladder System®

A. The ladder is a multifunctional ladder unit comprised of three basic components-an inner ladder unit assembly and two outer unit assemblies which telescope over the inner.

1. The inner ladder assembly has 2 locking center hinges which allow the entire ladder system to be used in the following configurations:

   a. A-frame
   b. Extension
   c. Stairwell
   d. Scaffolding trestles
   e. Storage

> CAUTION: SCAFFOLDING TRESTLE CONFIGURATION ONLY TO BE USED WITH OPTIONAL WORK PLATFORM SPREADER ATTACHMENT.

2. Locking mechanisms on the two outer assemblies of the ladder permit the outer telescoping sections of the ladder to be adjusted in length. This lock tab assembly fits in any rung of the inner ladder, allowing foot-by-foot adjustment on either end of the ladder.

B. A table of various working heights for the three sizes of the Little Giant Ladder System is as follows.

Configuration	Storage	A-Frame	Extension
Little Giant 3-rung	1.09m	0.95m - 1.48m	1.92m - 3.04m
Little Giant 4-rung	1.28m	1.22m - 2.01m	2.48m - 4.16m
Little Giant 5-rung	1.56m	1.48m - 2.46m	3.05m - 5.21m

C. The inner and outer side rails are made of aircraft grade aluminum.

1. There are slip-resistant aluminum rungs on both inner and outer assemblies.
2. Both inner and outer assemblies are finished with slip-resistant feet.

> WARNING: INSPECT UPON RECEIPT AND BEFORE EACH USE. NEVER USE A DAMAGED OR BROKEN LADDER.

II. Operating and Adjusting The Ladder

A. The Hinge- located at the top of the ladder when it is in storage position, permits you to alter the shape of the ladder. This hinge locks in the following positions (See Figures A-1, A-2, and A-3).

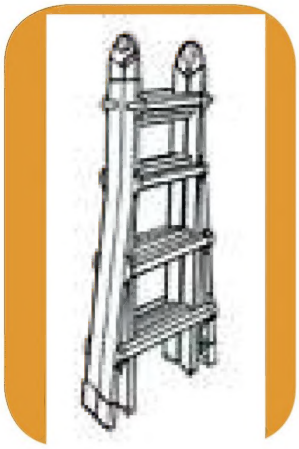


Figure A-1

Figure A-2

Figure A-3

1. Unlock the hinge by pushing straight in on the Palm Button until it stays in the open position on both hinges (See Figures A-4 and A-5).

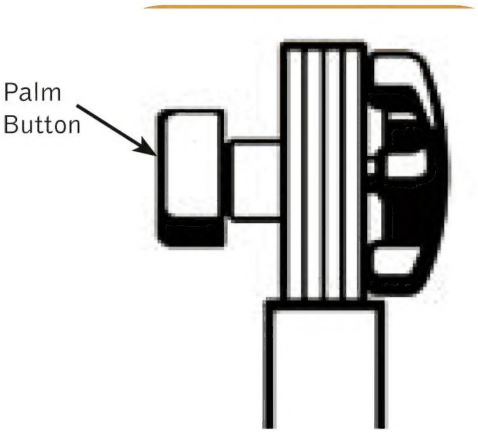


Figure A-4
LOCKED

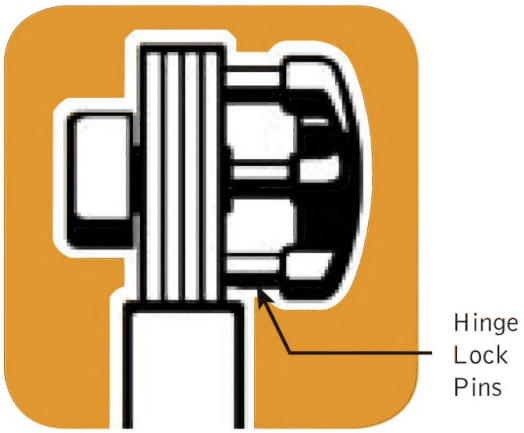


Figure A-5
UNLOCKED

a. NOTE - If there is pressure on hinge lock pins it will be difficult to unlock the hinge. To relieve pressure, simply adjust one half of the ladder back and forth until hinge lock pins move without force.

b. NOTE - **DO NOT FORCE HINGE LOCK** in or out with any tools as it will cause permanent damage to the hinge mechanism. It should never require more than light pressure to unlock the hinge if the holes are properly aligned.

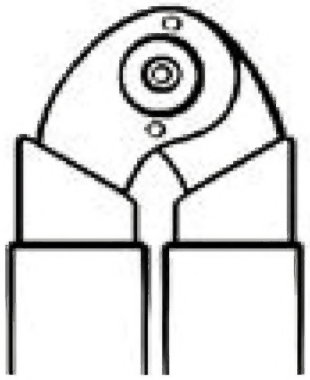
2. You may now open the ladder to the A-frame position by pulling the two ladder halves apart until both hinge lock pins snap into the A-frame locked position.

3. Now place the ladder into the extension position by again pushing straight in on the palm buttons of both hinges (See Figures A-4 and A-5).

Rotate either side of the ladder until the hinge locks snap into their locked position.

To restore the ladder to the storage position, reverse the above procedure. The hinge lock will lock automatically at the A-frame configuration to prevent damage to the ladder or injury to the user.

Use caution and do not let the full weight of the ladder fall on the hinge lock as the ladder folds from extension to A-frame configuration. Disengage the hinge locks in the A-frame position and return the ladder to its storage position.



Hinge

CAUTION: HEED THE IMPRINT ON HINGE! "HINGE LOCK MUST BE FULLY IN BEFORE USING, FAILURE TO DO SO MAY RESULT IN INJURY"

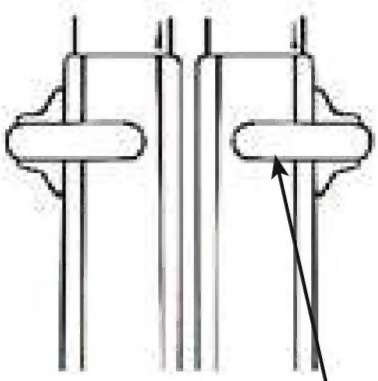


Figure B-1

B. The Lock Tab Assemblies- The second mechanical component of the ladder system is the LOCK TAB ASSEMBLY. There are four of these on each ladder. These permit you to change the height of the ladder (See figure B-1 and C-1).

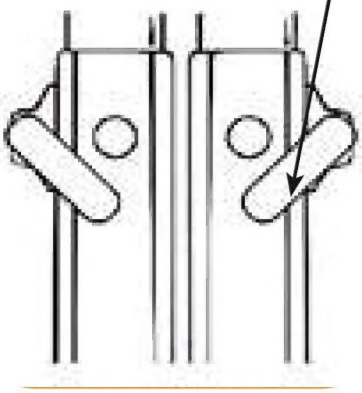


Figure C-1

C. Adjusting the height of the ladder for use in the A-frame position.

1. Unlock both hinge locks (See figures A-4 & A-5).

WARNING: DO NOT PULL OUT ALL FOUR LOCK TAB ASSEMBLIES UNLESS THE INNER IS HELD, OTHERWISE, IT WILL SLIDE AND HIT THE GROUND OR YOUR FEET.

2. With the ladder in the storage position and while holding the inner ladder assembly firmly in place, pull the four Lock Tab Assemblies out of the rung holes of the inner ladder and rest them on the side of the outer ladder rail (See figures C-1).

3. Raise the inner ladder up to the desired height.

4. At the desired height align the outer holes with the nearest rung hole of the inner ladder assembly.

5. Holding the inner and outer ladder at the aligned height with one hand, reinsert the opposite Lock Tab Assemblies into the rung holes with the other hand.

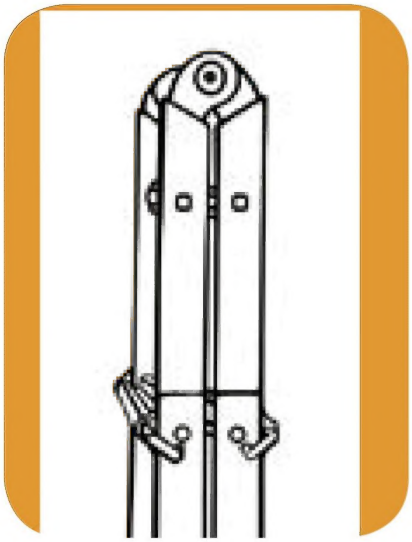


Figure C-2

WARNING: LOCK TAB ASSEMBLIES MUST BE INSERTED INTO AN INNER LADDER ASSEMBLY RUNG HOLE. FAILURE TO DO SO MAY RESULT IN INJURY.

6. Alternate hands and perform the same operation with the other Lock Tab Assemblies (See figure C-2).

7. Open the ladder to the A-frame configuration by pulling the ladder halves apart until the hinges lock into place (See figure A-2 and A-4).

CAUTION: HEED THE WARNING ABOVE EACH LOCK ASSEMBLY

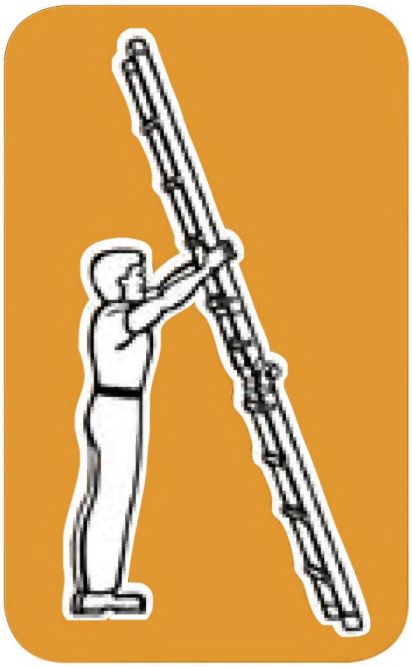


Figure D-1

8. To return the ladder to the storage position, reverse the procedures and position as seen in Figure A-1.

D. Adjusting the height of the ladder in its extension ladder position.

1. From its stored position, unlock hinge (as

indicated in figures A-4 & A-5) and rotate to extension position until both hinges lock into place.

NOTE: Hinge will first lock in A-frame position, repeat unlocking hinge to rotate it's extension position.

2. Unlock Lock Tab Assemblies on upper half of the ladder. Grasp the outer ladder, walk backward, allowing the ladder to telescope to the desired height. If more height is desired, extend the lower half of the ladder (see figure D-1).

3. To store the ladder from its extension position, reverse the above sequence starting with the lower half of the ladder.

Figure E-1

WARNING: DO NOT REMOVE LOCK TAB ASSEMBLIES FROM LOWER HALF OF THE LADDER WITHOUT HAVING A SECURE HOLD ON THE INNER SECTION.

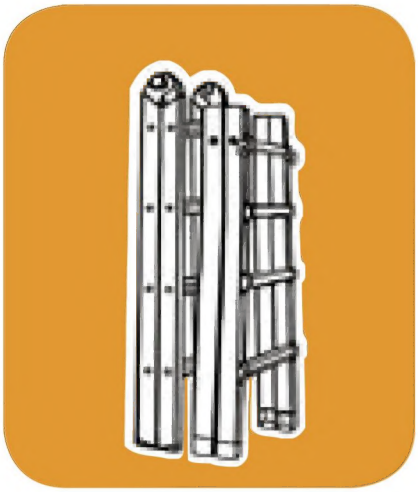


Figure F-1

E. Staircase Position.

1. Adjust ladder to desired height (review section concerning adjusting the height of the ladder for use in the A-frame position.)

2. Then adjust the side desired for proper alignment to fit the staircase (see figure E-1).

Figure F-2

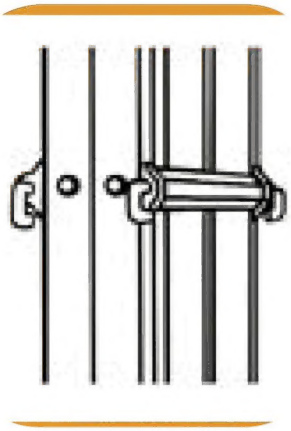


Figure F-3

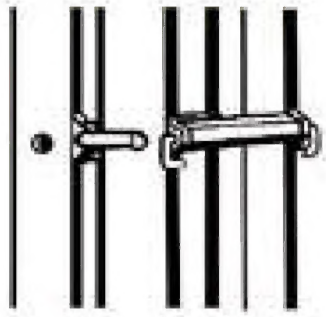


Figure F-4

F. Scaffolding Trestle Operating Instructions

(Does not apply to Little Giant® Fiberglass ladder)

1. Pull the inner ladder assembly completely out of the outer ladder bases (see figure F-1).

2. Open the inner ladder assembly to the A-frame position until both hinges lock (See figures A-4 and A-5). This is the first of two trestles needed for the scaffolding function (see figure F-2).

3. Grasp both outer ladder bases (see figure F-3).

4. Turn one outer ladder base 180 degrees and insert lock assemblies of one base into the adjacent holes of the opposite outer base (see figure F-4).

5. Grasp the outer ladder base with the unused lock assemblies and lower 1/2 inch, then spread the opposite outer ladder base to form a second A-frame trestle (see figure F-5 and F-5 Close).

6. Rotate forked ears on work platform to position indicated in figure F-6.

CAUTION: SCAFFOLDING TRESTLE CONFIGURATION ONLY TO BE USED WITH OPTIONAL WORK PLATFORM SPREADER ATTACHMENT.

7. Insert work platform between outer ladder bases on the third rung down of each base. The wire-formed end of the work platform should surround the outer rung turned to the inside of the outer ladder A-frame trestle (see figure F-7).

8. Press down on top of work platform until it locks in a horizontal position. Outer ladder A-frame trestle is now ready for use as second trestle (see figure F-8).

Figure F-5

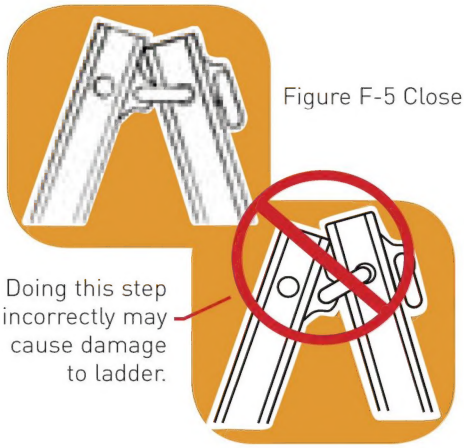


Figure F-6

Figure F-7

Figure F-8

Figure F-9

9. Space the two trestles and place an appropriate scaffolding plank on the set of rungs at the desired working height (see figure F-9).

CAUTION: HEED THE WARNING LABEL PLACED ON THE OUTER LADDER HALF REGARDING THE USE OF THE WORK PLATFORM AS A SPREADER ATTACHMENT.

G. Work Platform Operating Instructions

1. Tighten or loosen bolts until brackets move stiffly (see figure G-1).

2. Adjust to fit ladder rung (see figure G-2).

3. Place platform at desired height (see figure G-3).

4. Push platform forward and step up through the rung above platform (see figure G-4).

Figure G-1

Figure G-2

WARNING: MAKE CERTAIN WORK PLATFORM IS LOCKED INTO POSITION BEFORE CLIMBING, LITTLE GIANT INC. CANNOT ASSUME ANY LIABILITY FOR DAMAGE OR INJURY WHICH MAY RESULT BY FAILING TO FOLLOW ALL PRECEDING INSTRUCTIONS CORRECTLY.

5. Push platform back with toe (see figure G-5) until the forward tip of the platform rests against the rung.

6. Check to ensure platform is securely in place before putting full weight on it (see figure G-6).

7. When through, step to rung above work platform and push work platform forward with toe. Step down through work platform (see figure G-7).

8. The above instructions apply to the A-frame ladder also. The platform may also be used as a utility shelf (see figure G-8).

Figure G-3

Figure G-4

Figure G-5

Figure G-6

Figure G-7

Figure G-8

CAUTION: HEED THE WARNING LABEL PLACED ON THE WORK PLATFORM.